



Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie

AGH University of Krakow

# Beamer theme AGH Sample presentation

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<sup>2</sup>Second affiliation



#### Information



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### Outline



Basic elements

### Outline



Basic elements

2 Mathematics

### Outline



- Basic elements
- 2 Mathematics
- 3 Computer Science



- Item 1
- Item 2
- Item 3



- Item 1
- Item 2
- Item 3

#### Uncovering one by one

• Item 1



- Item 1
- Item 2
- Item 3

#### Uncovering one by one

- Item 1
- Item 2



- Item 1
- Item 2
- Item 3

#### Uncovering one by one

- Item 1
- Item 2
- Item 3



- ① Item 1
- ② Item 2
- Item 3

- ① Item 1
- 2 Item 2
- Item 3

Uncovering elements in turn with simultaneous highlighting

**1** Item 1

#### Enumerate



- ① Item 1
- 2 Item 2
- Item 3

Uncovering elements in turn with simultaneous highlighting

- ① Item 1
- 2 Item 2

#### Enumerate



- ① Item 1
- 2 Item 2
- Item 3

Uncovering elements in turn with simultaneous highlighting

- ① Item 1
- ② Item 2
- Item 3

### Basic blocks



#### Definition

A set consists of elements.

#### Example

The set  $\{1, 2, 3, 5\}$  has four elements.

#### Wrong Theorem

1 = 2.

### Math environments



#### Theorems

# Theorem (Pythagorean)

$$a^2 + b^2 = c^2$$

. . .

#### **Proofs**

Proof.

. . .



. . .

### Dynamic mathematical formula



$$\binom{n}{k} =$$

### Dynamic mathematical formula



$$\binom{n}{k} = \frac{n!}{k!(n-k)!}$$

### Drawing on the slide



Every fraction consists of:

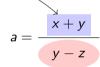
$$a = \frac{x + y}{y - z}$$

## Drawing on the slide



Every fraction consists of:

numerator



## Drawing on the slide



#### Every fraction consists of:

numerator



denominator







```
1 /* The first program in C++ */
2 #include <iostream>
```



```
/* The first program in C++ */
2 #include <iostream>
3 using namespace std;
```



```
1 /* The first program in C++ */
2 #include <iostream>
3 using namespace std;
4 void main()
5 {
```



```
1 /* The first program in C++ */
2 #include <iostream>
3 using namespace std;
4 void main()
5 {
6 cout
7 }
```



```
1 /* The first program in C++ */
2 #include <iostream>
3 using namespace std;
4 void main()
5 {
6 cout << "Hello World!"
7 }</pre>
```

```
1 /* The first program in C++ */
2 #include <iostream>
3 using namespace std;
4 void main()
5 {
    cout << "Hello World!" << endl;
7 }</pre>
```

Examples

Using the 'listings' environment

# Using the 'minted' environment



1

/\* The first program in C++ \*/



1

```
/* The first program in C++ */
#include <iostream>
```

```
1
```

```
2
```

#include <iostream> using namespace std; 3

/\* The first program in C++ \*/

```
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```

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AGH
```

```
/* The first program in C++ */
#include <iostream>
using namespace std;
void main()
{
```

```
∭∭
AGH
```

```
1
2
3
4
5
```

7

```
/* The first program in C++ */
#include <iostream>
using namespace std;
void main()
{
   cout
}
```

# Using the 'minted' environment



1

6 7

```
/* The first program in C++ */
#include <iostream>
using namespace std;
void main()
  cout << "Hello World!"
```

```
∭∭
AGH
```

```
/* The first program in C++ */
#include <iostream>
using namespace std;
void main()
{
   cout << "Hello World!" << endl;
}</pre>
```



# Appendix



Appendix

#### Information



The current version of the template is available at https: //github.com/polaksta/LaTeX/tree/master/beamerthemeAGH<sup>1</sup>

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<sup>&</sup>lt;sup>1</sup>In the case of Overleaf, it is at https://www.overleaf.com/read/fkjdthnbrfhj#9c6184

### Bibliography I



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Addison-Wesley Pub. Co., 1994

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Appendix



- Author
  Title of the article
  Editor, year
  Notes
- [6] Author
  Title of the article
  Editor, year
  Notes

Appendix



[Polak98] Author Title of the article Editor, year Notes